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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,799	03/03/2004	Atsushi Kakemura	04329.3259	4375
22852	7590	03/03/2006	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			ZEWARI, SAYED T	
			ART UNIT	PAPER NUMBER
			2687	

DATE MAILED: 03/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/790,799	KAKEMURA, ATSUSHI	
	<b>Examiner</b>	<b>Art Unit</b>	
	Sayed T. Zewari	2687	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03/032004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Objections*

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: **"An Information Processing Apparatus With Program Connecting Wirelessly To An Image Projector And Operated By Voice Commands"**.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Estevez et al. (US 2003/0,017,846) in view of Black et al. (US 2005/0,038,660).

With respect to claim 1, Estevez et al. disclose information processing apparatus **(See Estevez figure 1, section [0024], figure 5, section [0028])** comprising: means for being able to wirelessly communicate with an external device which displays received image data **(See Estevez figure 1, section [0024], where any hand held devices that incorporate the wireless interface can be used, see figure 3, section [0026], where the wireless connectivity of an information processing apparatus (laptop computer) is demonstrated, see figure 5, section [0028] where the**

**wireless connectivity between a PDA and projector is shown);** means for transmitting the image data to the external device by using the means capable of communicating with the external device (**See Estevez figure 1, section [0024], where any hand held devices that incorporate the wireless interface can be used, see figure 3, section [0026], where the wireless connectivity of an information processing apparatus (laptop computer) is demonstrated, see figure 5 section [0028] where the wireless connectivity between a PDA and projector is shown);** means for updating the image data transmitted by the means for transmitting the image data (**See Estevez figure 1, section [0024], where any hand held devices that incorporate the wireless interface can be used, see figure 3, section [0026], where the wireless connectivity of an information processing apparatus (laptop computer) is demonstrated, see figure 5, section [0028] where the wireless connectivity between a PDA and projector is shown. The same means that are used for transmitting data can be used to update the transmitted data).** However, Estevez does not specifically disclose means for inputting audio information; means for performing recognition processing to the audio information inputted from the means for inputting audio information, and acquiring instruction data inputted by the audio information with respect to the external device. But Black discloses means for inputting audio information (**See Black figure 2(11), figure 3(11), figure 4(110), figure 6(11), section [0027] and [0028]);** means for performing recognition processing to the audio information inputted from the means for inputting audio information (**See abstract, section [0009], [0010], [0014], [0029], figure 5(170), figure 7(770) where the voice**

**recognition subsystem is shown in the projector), and acquiring instruction data inputted by the audio information with respect to the external device (See Black figure 2(10) and section [0024] where it is shown the Data Processing Devices acquire and store audio information, figure 2(11) and figure 7(780), [0027], [0028], [0069], and [0070] where it is shown that the system has the means to acquire data input, see figure 5(604), section [0047]); and means for transmitting the acquired instruction data to the external device by using the means capable of communicating with the external device (See Black figure 2(10) and section [0024], [0025] where it is shown the Data Processing Device has means for transmitting instruction data, figure 3(130, 132, 140) sections [0024],[0025],[0038],[0037] where it is shown that the communication between data processing device, multimedia control device, microphone, and projector are wireless, thus means for transmitting acquired instructions are inherently present). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention disclosed by Estevez et al. and have means for inputting audio information, performing recognition processing to audio inputs and means for transmitting acquired instructions to external device, as disclosed by Black et al., and thus by combining the two provide a better and effective presentation system that automatically selects and reproduces the proper information data in response to the voice or speech of the presenter (See Black section [001], [006], [0007], and [0008]).**

With respect to claim 6, Estevez et al. disclose computer program product, which transmits image data to an external device (See Estevez figure 1, section [0024],

where any hand held devices that incorporate the wireless interface can be used, see figure 3, section [0026], where the wireless connectivity of an information processing apparatus (laptop computer) is demonstrated, see figure 5, section [0028] where the wireless connectivity between a PDA and projector is shown, further more any information processing device such as PDA, Laptop computers etc. has a processor on which runs programs which performs functions of transmitting together with transceivers) which displays received image data by using the means for communicating with the external device and realizes a presentation function by using the external device (See Estevez figure 1, section [0024], where any hand held devices that incorporate the wireless interface can be used, see figure 3, section [0026], where the wireless connectivity of an information processing apparatus (laptop computer) is demonstrated, see figure 5, section [0028] where the wireless connectivity between a PDA and projector is shown, figure 9(920) [0033], figure 9(920) [0033] ). However, Estevez does not specifically disclose a system configured to store program instructions for execution on a computer system generating instruction data based on audio information. But Black discloses devices configured to store program instructions for execution on a computer system (See Black figure 3(10) and figure 5 where the Multimedia Control Device is shown to have a CPU and Voice Recognition System. The CPU would runs programs and those programs needs to be stored somewhere. Therefore the presence of memory in the device multimedia Control Device is inherent. Similarly the Voice Recognition System is implemented by software which needs

**to be stored in memory)** enabling the computer system to perform: generating instruction data concerning the presentation operation used by the computer based on audio information **(See Black section [0009], [0010], [0011], [0012], [0027], [0028], [0029], [0039], [0040], [0041]);** and transmitting the generated data to the external device by using the means for communicating with the external device **(See Black figure 2(10) and section [0024], [0025] where it is shown the Data Processing Device has means for transmitting instruction data, figure 3(130, 132, 140) sections [0024],[0025],[0038],[0037] where it is shown that the communication between data processing device, multimedia control device, microphone, and projector are wireless, thus means for transmitting acquired instructions are inherently present).** Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention disclosed by Estevez et al. and have computer program products providing the means for inputting audio information, performing recognition processing to audio inputs and means for transmitting acquired instructions to external device, as disclosed by Black et al., and thus by combining the two provide a better and effective presentation system that automatically selects and reproduces the proper information data in response to the voice or speech of the presenter **(See Black section [001], [006], [0007], and [0008]).**

With respect to claim 2, Black et al discloses an external audio recognition table which acquires instruction data for instructing a setting and an operation with respect to the external device from the inputted audio information **(See Black figure 3(60), figure 5(60) and section [0044]-[0048]);** an internal audio recognition table which acquires

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instruction data with respect to internal processing and control from the inputted audio information **(it would be obvious to one of ordinary skill in the art at that any speech recognition software installed in an information processing apparatus such as computers, PDAs etc. would provide a recognition table internal to that computer)**; and means for acquiring the instruction data which instructs a setting and an operation with respect to the external device and the instruction data with respect to internal processing and control by making reference to each of the audio recognition tables based on the audio information inputted from the means for inputting audio information **(See Black sections [0009]-[0014], [0024], [0025], [0027]-[0029], and [0033]-[0040]).**

With respect to claim 3, Black et al. discloses the means for inputting audio information comprises means for discriminating the inputted audio information into audio information subjected to recognition processing by the means for performing recognition processing and an audio message used by the external device **(See Black sections [0009]-[0014], [0024], [0025], [0027]-[0029], and [0033]-[0040])**, and the information processing apparatus further comprises means for transmitting the audio message discriminated by the means for discriminating the inputted audio information included in the means for inputting audio information to the external device by using the means capable of communicating with the external device **(See Black figure 2(10) and section [0024], [0025] where it is shown the Data Processing Device has means for transmitting instruction data, figure 3(130, 132, 140) sections [0024],[0025],[0038],[0037] where it is shown that the communication between**



**data processing device, multimedia control device, microphone, and projector are wireless, thus means for transmitting acquired instructions are inherently present).**

With respect to claim 4, Black et al. discloses the external audio recognition table includes at least one of instruction data used to operate a presentation image displayed in the external display device and instruction data used to set the external device (**See Black figure 3, sections [0033]-[0041]**).

With respect to claim 5, Black et al. discloses the internal audio recognition table includes at least one of instruction data used to control the external device and instruction data used to specify image data to be transmitted to the external device (**See Black figure 3, sections [0033]-[0041]**).

With respect to claim 7, Black et al. discloses a program wherein said generating the data concerning the presentation function includes generating commands concerning the presentation function (**See Black figure 3, sections [0033]-[0041]**).

With respect to claim 8, Black et al. discloses the program wherein said generating the data concerning the presentation function includes generating audio messages concerning the presentation function (**See Black sections [0031], [0070], and [0073]**).

With respect to claim 9, Black et al. discloses a program wherein said generating the commands concerning the presentation function includes discriminating the commands concerning the presentation function into command used in the computer

and commands transmitted to the external device (**See Black figure 3, sections [0033]-[0041]**).

### ***Conclusion***

The following prior arts made of record and not relied upon are considered pertinent to applicant's disclosure.

Glickman Patent No. 6,826,301 discloses a data transmission system and method.

Wilkinson Patent No. 6,907,225 discloses a selective media capture via a communication device.

Slotznick Publication No. 2001/0,055,951 discloses a telephone device with enhanced audio-visual features for interacting with nearby display and display screens.

Karasawa et al. Patent No. 6,793,352 discloses a projector wireless control system and wireless control method.

Olson et al. Publication No. 2003/0,117,587 discloses an image-rendering device.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sayed T. Zewari whose telephone number is 571-272-6851. The examiner can normally be reached on 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sayed T. Zewari

February 23, 2006



SONNY TRINH  
PRIMARY EXAMINER